DISTRIBUTED AUTOMATED
SOFTWARE GRAPHICAL USER INTERFACE TESTING

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ABSTRACT OF THE DISCLOSURE

A method for distributed automated software graphical user interface (GUI) testing includes maintaining a centralized test queue, which stores multiple software GUI test instances to be executed by multiple distributed test execution computers.

10 Each distributed test execution computer includes a client platform and is connected to one or more server platforms. The client platforms and server platforms collectively provide multiple client-server combinations against which the tests may be executed. For each test execution computer, a request for a test instance is received from a particular test execution computer in response to completion of a

15 preceding test by the particular test execution computer and, in response, a test instance is retrieved from the test queue. The retrieved test instance is communicated, for each test execution computer, to the particular test execution computer for execution against a particular client-server combination using a testing component supported by the particular test execution computer. The testing component performs

20 automated software GUI testing and produces test results for such testing. A test result for the executed test instance from the particular test execution computer is received in response to the execution of the test instance and is stored for reporting to one or more users.

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